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CENTRAL INTELLIGENCE GROUP  
INTELLIGENCE REPORT

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COUNTRY Germany/Russian Zone  
SUBJECT Results Achieved at the Gema Plant in Berlin-Köpenick

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SUPPLEMENT

ORIGIN

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EVALUATION OF SOURCE

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1. One of the branches of Gema, Köpenick, which was headed by Dipl. Ing. Wilke prior to the dismantling of the Gema plant, was engaged in the production of measuring instruments for radar. "Messenger" (radio telemeter), sensitivity and frequency measuring instruments of wave lengths ranging from five centimeters to five meters, were in course of construction.
2. The following frequency bands in particular were in use:  
5, 9, 20, 50 to 65, 80 to 95 centimeters  
1.20, 1.65, 1.80, 3 to 3.50, 4.20 to 4.50 meters.
3. All Soviet military signals and security services are to use these frequencies.
4. The lower frequencies from one to five meters are to be used for aircraft navigational and plotting purposes and direction finding. Homing and aiming devices are being built to work on wave lengths of from five to ten centimeters.
5. The development of apparatus using frequencies of from one to three centimeters has been very successful in regard to range and accuracy, particularly in connection with automatic aiming and firing equipment for fighters.
6. Particular success has been achieved in the field of power supply. The accumulators used have no lead or nickel plating.

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